Amendments to the Specification:

Please replace the paragraph (List of Variables) beginning at page 10, line 7 and ending on page 11, line 7 with the following rewritten paragraph:

List of Variables

$\dot{m}$	Mass flow (kg/sec)
P_{in}	Inlet pressure
P_{out}	Outlet pressure
V	Flow velocity
ρ	Gas density
γ	Ratio of specific heats, c_p/c_v
α	$=\sqrt{\gamma\left(\frac{2}{1+\gamma}\right)^{\frac{\gamma+1}{\gamma-1}}}$
δ	$=\sqrt{\frac{2\gamma}{(\gamma-1)}}$
R	Gas constant in $p = \rho RT$ (8314 $m^2/K\text{-}sec^2$ divided by molecular weight)
W	Microvalve valve seat periphery length
A	Microvalve area enclosed by the valve seat periphery
D_h	Microvalve inlet length parameter ($=\sqrt{A}$)
A_{eff}	Microvalve effective flow area
z	Microvalve membrane-to-inlet gap
r	Ratio of gap to inlet length parameter: $r=z/D_h$

r_0 The ratio of gap to inlet length parameter which defines the boundary between seat-controlled flow and transition flow, according to Reference ~~[10]~~ [9]

ϕ Ratio of valve seat periphery length to inlet length parameter: $\phi=W/D_h$

C_d Microvalve inlet coefficient of discharge

C_v Microvalve coefficient of flow